SHOWWX+ TM

HDMI

User Manual

IMAGE BY picop

Made for iPod iPhone iPad

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Important Safety Information

PLEASE REFER TO THE PRODUCT SAFETY INFORMATION GUIDE PROVIDED WITH YOUR SHOWWX+ HDMI FOR IMPORTANT SAFETY INFORMATION.

Intended Use Statement

The SHOWWX+™ HDMI Laser Pico Projector is designed to operate with the MicroVision specified battery and MicroVision battery charger in a normal office and home environment within the following parameters:

- Operating Temperature: 10° - 30° C, (50° - 86° F)
- Storage Temperature: non-operating: - 20° - 60° C, (- 4° - 140° F) with battery
- Humidity: 10 - 85 % relative humidity (without condensation)
- Altitude: - 152 M - 4572 M (- 500 - 15,000 ft.)

⚠ WARNING Indicates a potentially hazardous situation, which if not avoided, may result in death or serious injury and/or property damage.

AS WITH ANY BRIGHT LIGHT SOURCE, DO NOT STARE INTO THE BEAM.
STARING INTO THE BEAM COULD CAUSE EYE DISCOMFORT AND IMPAIR VISION.

AS WITH ANY PRODUCT CONTAINING LASERS, DO NOT DISASSEMBLE THE PROJECTOR FOR ANY REASON. DISSASSEMBLING THE PROJECTOR MAY RESULT IN HAZARDOUS LASER RADIATION EXPOSURE.

EXCEPT FOR OPENING THE BATTERY DOOR AS DIRECTED IN THE USER GUIDE TO REPLACE THE BATTERY, THERE ARE NO USER SERVICABLE PARTS INSIDE THE PROJECTOR.

For service or repair the product must be returned to an authorized repair facility. See Customer Support section within this Guide for details.

To avoid risks associated with laser exposure:

- Not recommended for use by children under 14 unless supervised by an adult. The SHOWWX+ HDMI is not a toy.
- Use of controls or adjustments or performance of procedures other than those specified in this User Guide may result in hazardous laser radiation exposure.

To avoid risks associated with hazardous voltage:

- Do not modify this product in any way. Use only MicroVision approved replacement components.
- Do not use the AC adapter in a wet environment.
- Do not use with a damaged AC adapter. Replace damaged AC adapter prior to use.

To avoid risks associated with fire and explosion:

- Do not immerse the projector or battery in any liquid or allow either to get wet.
- Use only AC adapter and battery provided by MicroVision.
- Do not disassemble the battery or modify it in any way.
- Do not attempt to short out the battery.
- Do not expose the battery to temperatures under -20°C or above 60°C.
- Do not crush the battery.
- Do not overcharge or rapidly discharge the battery.
- Do not dispose of the battery by incineration or fire.
- Do not expose the projector or battery to direct sunlight in a closed space such as a vehicle.

To avoid risks of other injuries:

- Do not handle a damaged or leaking battery pack.
- Do not handle a battery that has been handled in an inappropriate or dangerous manner.

To avoid risks associated with driver distraction in a moving vehicle:

- Do not use this projector in a moving vehicle in a manner that may distract the driver.

⚠ CAUTION Indicates a potentially hazardous situation, which if not avoided, may result in minor or moderate injury and/or property damage.

- Do not point the projected image at people, vehicles, or aircraft.
- Risk of explosion if battery is replaced by an incorrect type.
- Dispose of used batteries according to the instructions contained within this guide.

To avoid risks associated with environmental contamination:

- Dispose of all system components in accordance with applicable government regulations.

To avoid risks associated with tripping and falling:

- Position the charging cord and data cables so that they cannot be tripped over.

Photosensitive Seizure Warning

A very small percentage of people may experience seizures or blackouts that are triggered by exposure to light flashes or certain visual images including flashing lights or patterns that may appear in video games or other video images. Even people who have no history of seizures or blackouts could experience “photosensitive epileptic seizures” while watching some video images.
Immediately stop watching projected video images and consult a physician if you experience symptoms such as lightheadedness, altered vision, eye or face twitching, convulsions, disorientation, confusion or momentary loss of awareness.

Taking the following precautions while watching video may help reduce the risk of photosensitive epileptic seizures.

- Avoid use while tired or fatigued.
- Take frequent breaks.
- Look away from the screen from time to time.
- Sit further away from the projected image.

Safety Labels

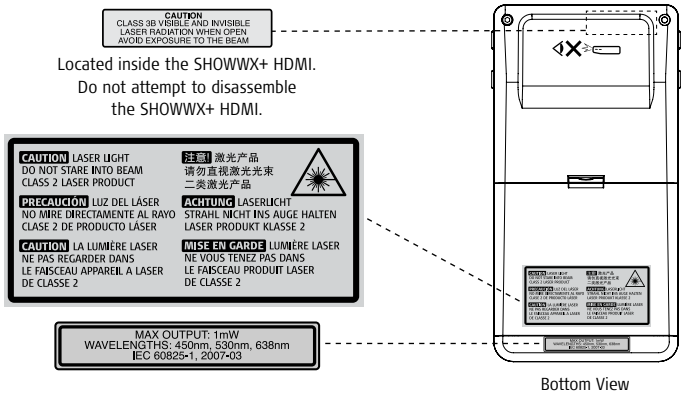
The SHOWWX+™ HDMI Laser Pico Projector is a CLASS 2 LASER PRODUCT as defined in IEC 60825-1, 2007-03. MicroVision has designed the SHOWWX+ HDMI to be safe for general use as a mobile projector.

IEC and CDRH Statements of Compliance

The SHOWWX+ HDMI complies with IEC 60825-1, 2007-03. The device also complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50 dated June 24, 2007.

The following safety labels are affixed at the factory.

THESE LABELS CONTAIN IMPORTANT SAFETY INFORMATION. DO NOT REMOVE THEM.


CAUTION
CLASS 3B VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AVOID EXPOSURE TO THE BEAM
Located inside the SHOWWX+ HDMI.
Do not attempt to disassemble the SHOWWX+ HDMI.
CAUTION LASER LIGHT DO NOT STARE INTO BEAM CLASS 2 LASER PRODUCT
注意! 激光产品 请勿直视激光光束 二类激光产品
PRECAUCIÓN LUZ DEL LÁSER NO MIRE DIRECTAMENTE AL RAYO CLASE 2 DE PRODUCTO LÁSER
ACHTUNG LASERLICHT STRAHL NICHT INS AUGE HALTEN LASER PRODUKT KLASSE 2
CAUTION LA LUMIÈRE LASER NE PAS REGARDER DANS LE FAISCEAU APPAREIL A LASER DE CLASSE 2
MISE EN GARDE LUMIÈRE LASER NE VOUS TENEZ PAS DANS LE FAISCEAU PRODUIT LASER DE CLASSE 2
MAX OUTPUT: 1mW
WAVELENGTHS: 450nm, 530nm, 638nm
IEC 60825-1, 2007-03
Bottom View

Laser Specifications

Laser Color	Red		Green		Blue	
Laser Type	AlGaInP laser diode		Frequency doubled IR laser diode		GaN laser diode	
Max CW Output	120 mW		72 mW		50 mW	
Wave-length	632 nm	650 nm	526 nm	537 nm	440 nm	460 nm

Regulatory Statements

FCC Declaration of Conformity

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference (2) this device must accept any interference received including interference that may cause undesired operations. This applies to all product options.

FCC Radio Frequency Interference Statement

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help. To comply with FCC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter.

Caution: Changes or modifications to this equipment not expressly approved by manufacturer could void the user's authority to operate this equipment.

Canadian Compliance Statement

Complies with the Canadian ICES-003 Class B specifications.
Cet appareil numérique de la Classe B est conforme à la norme NMB-003 du Canada.

IEC and CDRH Statements of Compliance

The SHOWWX+ HDMI complies with IEC 60825-1, 2007-03.
The device also complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50 dated June 24, 2007.

CE Statement

This product complies with the requirements of the Low Voltage Directive 2006/95/EC and the EMC Directive 2004/108/EC and carries the CE mark accordingly.
This device meets the following standards:

EN60950-1:2006 – Safety of Information Technology Equipment
EN60825-1:2007 – Safety of Laser Products
EN55024: 1998 +A1:2001+A2:2003 – Immunity
EN55022: 2006 – Radiated & Conducted Emissions

Regulatory Statements

Other Compliance

Some products may contain one or more of the following country marks on the Product Label, which is located under the battery. Presence of the mark on the label indicates compliance with the applicable regulations for that country.

Australia/New Zealand (C-tick)

Japan (PSC)

China (CCC)

Directions for recycling battery

Recycle battery in accordance with local laws. In the United States and Canada, visit www.call2recycle.org or call 1-800-8-BATTERY (1-800-822-8837) or 1-877-2-RECYCLE (1-877-273-2925) for the nearest recycling center.

Product Disposal

The SHOWWX+™ HDMI Laser Pico Projector should not be placed in household waste bins. Please check local regulations for information about the disposal of electronic products in your area.

Made for iPod, iPhone, and iPad

Made for iPod iPhone iPad

"Made for iPod, iPhone, and iPad" mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance. Specifications subject to change without notice.

Copyright & Trademarks

©2011 MicroVision, Inc. All rights reserved. PicoP® and SHOWWX+™ are trademarks of MicroVision Inc. iPhone, iPod, iPod classic, iPod nano, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. iPad is a trademark of Apple Inc. HDMI is a registered trademark of HDMI licensing LLC. Other trademarks are the property of their respective owners.

Customer Support

To view the SHOWWX+ HDMI User Guide online go to **http://www.microvision.com/showwx/hdmi/support**. For Technical Questions, service and support please visit us online at **http://www.microvision.com/showwx/hdmi/support**. Please have your Serial Number and purchase information available. You can find the Serial Number located under the battery.

Register your Product Online

Registering your new MicroVision product online is quick and easy. Your registration will allow us to serve you better over the lifetime of your product. Being a registered owner also keeps you informed of important product notifications and helps us continue to design products that meet your needs. Please have the Product Serial Number when you register.
http://www.microvision.com/showwx/hdmi/register

Introduction

Thank you for purchasing the MicroVision SHOWWX+™ HDMI laser pico projector. The SHOWWX+ HDMI projects big, bright, and colorful images that are always in focus, yet is small enough to fit in your pocket. Connect the SHOWWX+ HDMI to a video output-capable device to spontaneously share photos and videos, presentations and more, in a big screen experience.

What is the PicoP® Display Engine?

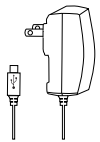
The PicoP display engine is the world's first ultra miniature laser-based projector engine. It uses red, green and blue laser light sources, electronics, optics, and a unique, tiny mirror-like device that "paints" the image line-by-line on the projection surface.

Package Contents

Please make sure you have received all items included with the product. For missing items contact customer support.

SHOWWX+ HDMI Rechargeable Battery

SHOWWX+ HDMI Laser Pico Projector



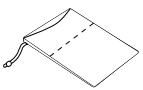
SHOWWX+ HDMI Wall Charger (US & Canada Only)

SHOWWX+ HDMI USB Wall Charger (EU & Other Countries)

Micro-USB Cable

SHOWWX+ HDMI Cable for iPod, iPhone, and iPad

SHOWWX+ HDMI Micro-Micro HDMI Cable

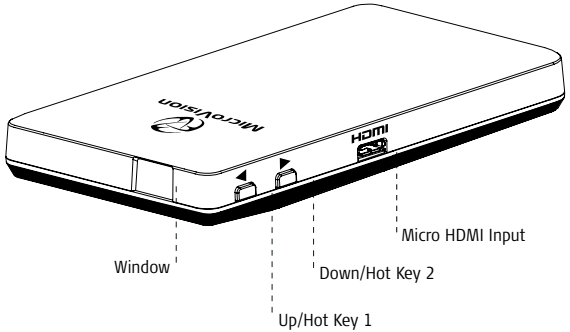


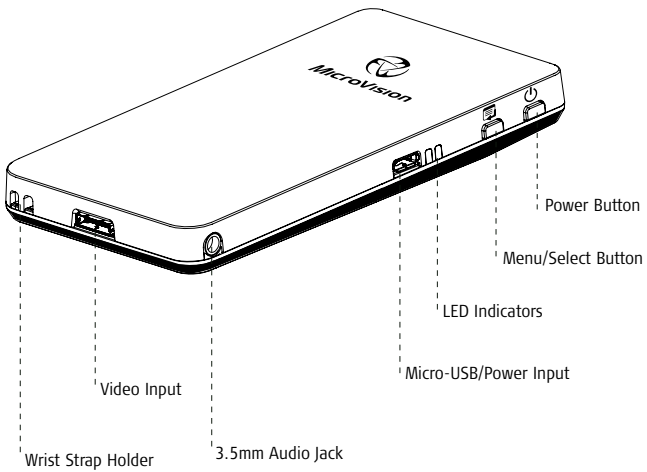
Storage Pouch

Quick Start Guide

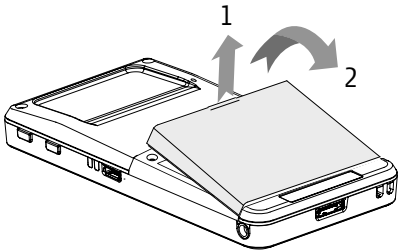
Product Information Guide (includes warranty card)

Wrist Strap

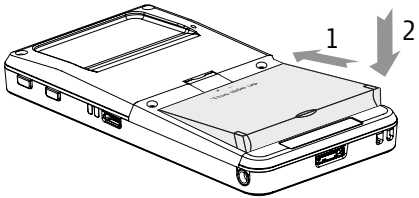




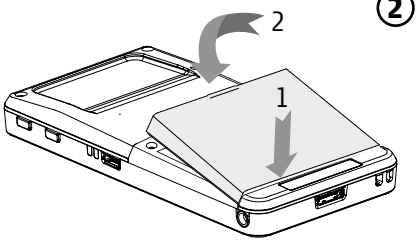
Install Battery



① Remove Battery Door



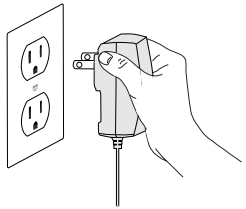
② Insert Battery



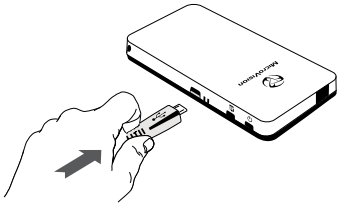
③ Close Battery Door

» Make sure the projector is OFF and unplugged before replacing battery.
» Do not force the battery in. Make sure the battery + / - symbols are lined up.

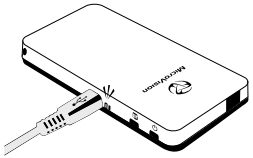
Charge Battery



1 Plug Wall Charger Into Outlet



2 Connect To
Micro-USB/Power Input



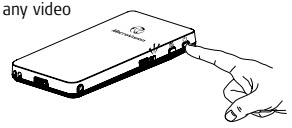
3 Orange LED: Battery charging
Green LED: Battery fully charged

Note:

» For the USB wall charger (EU & other countries) connect the USB cable to the charger and follow the steps above.
» Allow for a minimum of 4 hours charging before first time use.
» The wall charger will not charge the battery while the SHOWWX+ HDMI is powered ON.
» The supplied battery is designed specifically for the SHOWWX+ HDMI and no other battery should be used.

Power ON or OFF

Note: Do not have the SHOWWX+ HDMI connected to any video device before turning ON.



Turning ON: Press and hold the ⏻ button.
The blue LED will come on and the image will appear in about 5 seconds.

Turning OFF: Press the ⏻ button.

Note:

» During startup the image will flash with a series of different colors. This is normal.
» A blinking Blue LED indicates the unit is starting up. A solid Blue LED indicates the unit is ready for use.

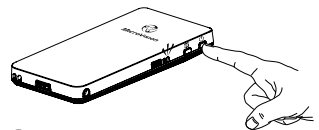
Connect to a Video Source

The SHOWWX+™ HDMI can connect to a variety of devices with video-out such as an iPad, iPhone, iPod, tablet computer, laptop, cell phone, camera, and more. The following describes the connectivity options available with the SHOWWX+ HDMI.

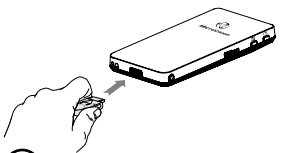
Cable	Connect SHOWWX+ HDMI	Included	Sold Separately
SHOWWX+ HDMI Component Cable for iPod, iPhone, and iPad	iPod, iPhone, or iPad with Component TV-out	Yes	Yes
SHOWWX+ HDMI Micro-Micro or Micro-Standard HDMI Cable	Any device with an HDMI video out connection. Most standard HDMI and Mini HDMI to Micro cables can be used.	Yes Micro-Micro	Yes
SHOWWX+ HDMI VGA Dock	Laptop and PC devices	No	Yes

To see compatible devices with the SHOWWX+ HDMI: http://www.microvision.com/showwx/hdmi/compatibility

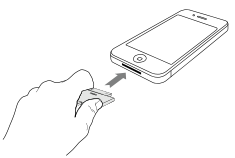
How to Connect to an iPod, iPhone, or iPad



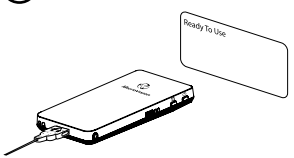
1 Power on the projector



2 Connect the cable to the projector



3 Connect the cable to the iPod, iPhone, or iPad (already on)



4 Wait to see "Ready To Use" alert

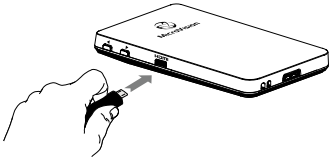
5 Select Picture or Video content and Press play on iPod, iPhone, or iPad

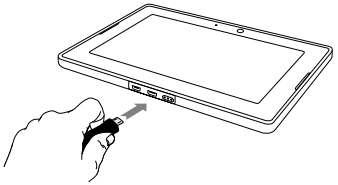
Note:

» While connected to an iPod, iPhone, or iPad the Audio Jack on the Apple device can also be used.
» To see compatible devices with the SHOWWX+ HDMI visit http://www.microvision.com/showwx/hdmi/compatibility

Connecting to HDMI Video Sources

The SHOWWX+ HDMI can connect to a variety of devices that provide HDMI video-out. A micro-to-micro HDMI cable is provided. HDMI-approved third party cables are available supporting standard and mini to micro connectivity. SHOWWX+ HDMI is HDCP compliant and as such can display rights managed (HDCP) content. To display content, if not automatic make sure the source device has TV/Video-Out set to "On" or "Enabled". To learn if your HDMI video source devices is capable of TV/Video-Out and how to enable, refer to its User Guide. To see compatible devices with SHOWWX+ HDMI visit http://www.microvision.com/showwx/hdmi/compatibility

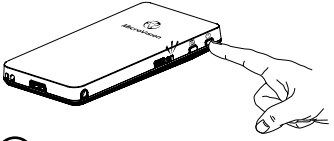




1 Connect the HDMI cable to the micro HDMI port on the projector

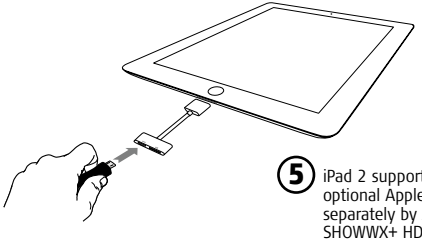
2 Connect the HDMI cable directly into the HDMI output connector on the Video-Out Device

Note: Depending on the host HDMI connector type, may require standard, mini or micro cable (micro provided).



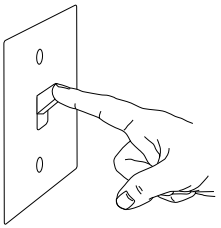
3 Power on the projector

4 If not automatic, enable video out from the source device



5 iPad 2 supports Video Mirroring via optional Apple Digital Adapter (sold separately by Apple). Connect the SHOWWX+ HDMI using a standard HDMI-to-Micro HDMI cable (sold separately) to enable Video Mirroring (what you see on the screen can be displayed or projected) functionality.

Usage Guidelines



There are two main factors to consider when using the SHOWWX+ HDMI.

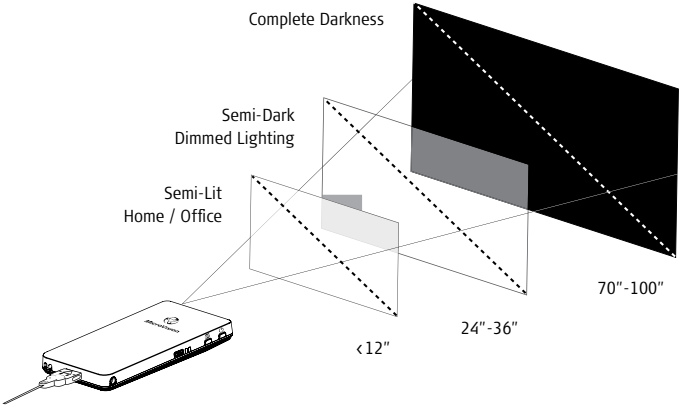
Ambient light

» It is recommended to shut blinds, close curtains and turn lights down to make the room dark so the projected image looks the best.

Distance from screen

» The projector distance from the screen will impact the appearance of the image brightness. The closer to the screen the brighter the image will appear.

The following is a guideline of what image sizes are possible under various lighting conditions:



Note:
Image diagonal is approximately equal to the distance from the projector to the screen.

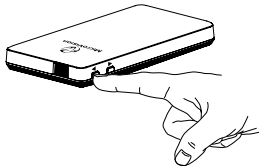
Advanced Controls

Menu Controls

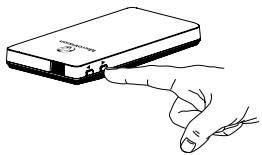
The SHOWWX+ HDMI was designed as a plug-and-play device, however, some users may want to make adjustments to the settings such as change colors, adjust aspect ratio, and adjust brightness. The following information will help you understand how to fully operate the SHOWWX+ HDMI.

Hot Keys

The SHOWWX+ HDMI includes two hot keys to allow the user to quickly adjust the image depending on the type of content being shown.



Color Mode: Color mode can be changed without going into the Menu screen by pressing the ◀ button to change the color mode. Press the ◀ button to cycle through the color modes.



Gamma Mode: Gamma mode can be changed without going into the Menu screen by pressing on the ▶ button. Press the ▶ button to cycle through the gamma modes.

Note: The Color Mode hot key also includes the ability to invert the image. Inverting the image may improve the readability of certain images. Also, if the content background is predominately white, then inverting the image (e.g., white becomes black) will extend battery life.

Onscreen Menu

The SHOWWX+ HDMI has an onscreen display to allow the user the ability to make advanced changes to the projector. All settings changed by the user will remain even when powered off.

Brightness:	High (default) / Medium / Low
Color Mode:	Brilliant (default) / Standard / Inverted / Gamma
Aspect Ratio:	Widescreen (default) / Normal / Zoom
System:	Image Alignment / Color Alignment / Properties / Reset Defaults

How To Adjust Brightness

The image brightness can be reduced for close distance viewing in darker environments.

1. Press the button to bring up the on screen menu.
2. Use the ◀ or ▶ buttons to navigate to BRIGHTNESS and press .
3. Select the desired setting and press to accept.

How To Change Color Mode

The SHOWWX+ HDMI has 3 color modes.

Brilliant Colors:	Bright and vivid colors (default setting).
Standard Colors:	More accurate flesh tones and grey scales.
Inverted Colors:	All colors are inverted. Useful for presentations with black text on white backgrounds.

1. Press the button to bring up the on screen menu.
2. Use the ◀ or ▶ buttons to navigate to COLOR MODE and press .
3. Select the desired setting and press to accept.

How To Adjust Aspect Ratio

The image may appear cropped or skinny. The aspect ratio may be different from the video source device.

1. Press the button to bring up the on screen menu.
2. Use the ◀ or ▶ buttons to navigate to ASPECT RATIO and press .
3. Select the desired setting and press to accept.

How To Adjust The Image Alignment

The image may appear to be slightly fuzzy. Adjustment of the image alignment may be necessary.

1. Press the button to bring up the on screen menu.
2. Use the ◀ or ▶ buttons to navigate to SYSTEM and press .
3. Navigate to IMAGE ALIGNMENT and press .
4. Press the ◀ or ▶ buttons to adjust the image until all vertical lines appear sharp and clear.

How To Adjust The Color Alignment

Users can adjust horizontal or vertical alignment of each individual color (red, green, and blue).

1. Press the button to bring up the on screen menu.
2. Use the ◀ or ▶ buttons to navigate to SYSTEM and press .
3. Use the ◀ or ▶ buttons to navigate to COLOR ALIGNMENT and press .
4. An image of a vertical and horizontal crossed in the middle will appear in the center of the screen.
5. Use the ◀ or ▶ buttons to select the desired color (Red Adjust, Green Adjust, Blue Adjust) to adjust and press .
6. Use the ◀ or ▶ buttons to select either HORIZONTAL or VERTICAL ADJUSTMENT and press .
7. Use the ◀ or ▶ buttons to move the selected color until a solid white line is visible either vertically or horizontally.

Note:

» When adjusting colors HORIZONTALLY use the Vertical line (top-bottom) as the reference.
» When you exit the configuration menu after image alignment it will take 10 seconds for the normal image to appear.

How To Reset Default Settings

To reset all user selectable settings to factory defaults.

1. Press the button to bring up the on screen menu.
2. Use the ◀ or ▶ buttons to navigate to SYSTEM and press .
3. Use the ◀ or ▶ buttons to navigate to RESET DEFAULTS and press .
4. Press the ◀ or ▶ buttons to select YES and press .

How to Check Remaining Battery Life

Follow these instructions to view how much battery life is remaining.

1. Press the button to bring up the on screen menu.
2. Use the ◀ or ▶ buttons to navigate to SYSTEM and press .
3. Use the ◀ or ▶ buttons to navigate to PROPERTIES and press .
4. Use the ◀ or ▶ buttons to navigate to BATTERY INFORMATION and press .

How to Adjust The Green and Magenta Color

The image may appear to have green shadows or a magenta color when it should be white. Adjustment of the Green/Magenta color may be necessary

Auto Adjustment

1. Turn on the projector and let it run for 5 minutes.
2. Press the button to bring up the on-screen menu.
3. Use the ◀ or ▶ buttons to navigate to SYSTEM and press .
4. Use the ◀ or ▶ buttons to navigate to GREEN/MAGENTA BAL and press .
5. Use the ◀ or ▶ buttons to navigate to AUTO and press .

Note:
Vertical magenta lines will appear. The lines will automatically adjust to white.
Once adjustment is done, the splash screen will appear after about 10 seconds.

Manual Adjustment

1. Follow steps 1-4
2. Use the ◀ or ▶ buttons to navigate to MANUAL PATTERN or MANUAL VIDEO and press .

Manual Pattern: A grid image will appear. Manual Video: Requires content from a video source device. Use of a photo when making adjustments is recommended.

3. Use the ◀ or ▶ buttons to adjust the grid pattern until all lines appear completely white. Or, adjust until all green shadows or magenta highlights are gone from the photo.
4. Press the button to confirm. After 10 seconds of no activity, the splash screen will reappear.

Troubleshooting

Problem	Cause	Solution
The projector does not turn on.	Battery not inserted correctly. Battery not charged.	Make sure the battery is correctly inserted. Make sure the battery is fully charged.
The projector colors look incorrect.	Different Color Mode may be selected.	Change to preferred Color Mode.
The projector randomly turns off but the Blue LED stays on.	The projector may be out of the recommended operating range.	Make sure the projector is well ventilated and within the operating temperature range. Turn off for 5 minutes and restart.
Not working with my iPod, iPhone, or iPad	Not securely connected, - OR – No TV-out signal detected	Make sure cable is securely connected at both ends and a "Ready to Use" message appears on the projector. Make sure you have pressed the play button on the videos or picture controls.
The projector won't turn off or on and the Blue LED stays on.	System is frozen.	Press and hold the Power button for 20 seconds. If this does not work, remove battery. Then re-insert and turn on.
I can't connect to my laptop.	SHOWWX+ HDMI VGA Dock sold separately.	Purchase the SHOWWX+ HDMI VGA Dock.
The projector doesn't work with my cell phone.	Not all cell phones have HDMI video out capabilities.	Ensure your cell phone has HDMI connectivity and refer to your cell phone.
The image looks a little fuzzy.	Debris on Window, - OR - Image is misaligned.	Clean the Window, -OR- Adjust Image Alignment.
The green LED keeps blinking while charging.	The battery is not correctly inserted in the SHOWWX+ HDMI.	Make sure battery is correctly inserted into the SHOWWX+.
The red LED is blinking.	Out of operating range. Temporary problem.	Turn projector off. Remove battery. Re-insert and power on.
Battery doesn't charge.	Battery may not be capable of holding a charge.	Install new battery.
The red LED is constantly on even after trying to restart.	System failure.	Contact Customer Support.
Part of the image has a green or magenta shadow.	Green or Magenta color out of alignment.	Adjust the Green and Magenta color alignment.
I am not getting Audio on my Playbook when connected to the projector.	To enable audio you will need to ensure audio settings are correct.	On the Playbook home screen, tap on the gear symbol (settings key) in top right corner. Select HDMI key from side menu. Ensure the HDMI audio key is set to Off.
My video is not showing all of what I see on the Playbook.	Need to adjust the aspect ratio.	On the Playbook home screen, tap on the gear symbol (settings key) in top right corner. Select HDMI and change aspect ratio to Fill.
I am not getting audio on my Android smart phone.	HDMI manager may require adjusting or your device does not support audio routing.	Check the HDMI manager on your device to ensure HDMI audio is set correctly. May require use of external speakers or headset (3.5mm jack), or compatible Bluetooth speakers.

LED Status & Meaning

LED Status	Meaning
Solid Blue	SHOWWX+ is powered on
Blinking Blue	SHOWWX+ is powering up
Solid Orange	Battery is charging
Solid Green	Battery is fully charged
Blinking Orange	Battery is low
Blinking Red	Temporary problem
Solid Red	System failure

Customer Support

For Technical Questions, service and support please visit us online at **http://www.microvision.com/showwx/hdmi/support** Please have your Serial Number and purchase information available. You can find the Serial Number located under the battery.

Register your Product Online

Registering your new MicroVision product online is quick and easy. Your registration will allow us to serve you better over the lifetime of your product. Being a registered owner also keeps you informed of important product notifications and helps us continue to design products that meet your needs. Please have the Product Serial Number when you register.
http://www.microvision.com/showwx/hdmi/register

Care & Maintenance

How To Clean The Window
Fingerprints and other debris may impact the image quality.
Keep the window clean for best image quality.

① Apply a non-abrasive camera lens cleaner to a soft, dry cloth.

② Lightly wipe the cleaning cloth over the window until clean.

Note: Do not attempt to use solvents or other harsh chemicals as it may damage the window. Make sure cleaning cloth is free of dust or debris to avoid scratching the window.

How to Store & Transport
Proper care should be taken to safely store and transport the projector. Please use the included storage pouch. Do not drop the SHOWWX+ HDMI or spill liquids on it.

How to Use the Audio Jack
The audio jack on the SHOWWX+ HDMI works only when the Audio signal is combined with the Video signal. The Audio Jack is for output only.

MICROVISION LIMITED WARRANTY

MicroVision warrants that the following Products will be free of defects in material and workmanship under normal use for the period stated below beginning on the date of purchase by the original purchaser ("Warranty Period"):

Product and Warranty Period

SHOWWX+ HDMI Laser Pico Projector
One (1) year

SHOWWX+ HDMI Accessories
(including battery, AC adapter, cables)
Ninety (90) days

If a valid warranty claim is received by MicroVision or its authorized service representative during the Warranty Period for a particular product MicroVision will, at its option, either repair the Product, replace the Product or refund the purchase price paid by purchaser for the defective Product. Repaired or replaced parts or Product may include new, reconditioned or re-manufactured parts and equipment, at MicroVision's option, that are functionally equivalent to the original Product. Repair or replacement of any parts or equipment does not extend the period of warranty provided for herein. Such repair, replacement or refund shall be purchaser's sole remedy in the event of MicroVision's breach of this limited warranty.

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All costs associated with shipment to MicroVision for warranty service, including but not limited to freight, duties, insurance and customs fees are purchaser's responsibility. MicroVision will pay the freight costs (duties, insurance, customs, taxes, VAT and any other fees are purchaser's responsibility) associated with the return shipment to purchaser. The method of shipment will be at MicroVision's discretion.

To take advantage of this warranty or to find the nearest MicroVision authorized service center go to **http://www.microvision.com/showwx/hdmi/support**

For Technical Questions, Service and Support please contact MicroVision at:
Phone: **1-866-333-3542**
(Monday through Friday 6:00am PST – 5:00pm PST)
Email: **techsupport@microvision.com**

SHOWWX+™

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